

# Getting SMART in Kansas – Saving Money and Reducing Trash

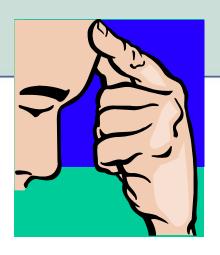
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### What's Ahead?

- o What is SMART?
- o Benefits
- o National picture
- o SMART in Kansas
- o SMART in Johnson County
- o Resources
- o Q & A



### What is **SMART?**

- Volume-based fees
- Unit-based pricing
- Variable rates
- Trash utility fees
- Incentive-based system
- Pay-As-You-Throw



PAYT is a SMART way to Save Money And Reduce Trash

### **PAYT Works... Like a Utility**

SMART residents do continually change behavior towards waste reduction









### Increasing Recycling Participation

- Education and Outreach
- o Access and Convenience of Recycling
  - Curbside, container size and type, single-stream

- More direct incentives
  - Recycle Bank
  - Pay As You Throw

### "3 E" Benefits

#### **Environmental Benefits**

- Increases recycling, composting,
   AND source reduction
  - Cuts residential waste nearly in half (Duke & MA Data). 400-600 pounds per capita annually
  - Recycling and composting increases
     approx. 2/3 (SERA & MA Data)
  - Source reduction increases approx.
     1/3 (SERA & MA Data)
- Does not promote consumption
- o Reduces greenhouse gases



### "3 E" Benefits



#### **Economic Benefits**

- Main driver for most cities
- Savings at the landfill + Recycling revenue
- Does not increase household costs
- o Ft Worth, TX saved > **\$7 million** on disposal, Earned \$540,000 from recycled materials in one year
- Worcester, MA saved >\$1.2 million in SWM costs. Increased recycling from 3% to 36% immediately after adopting PAYT in 1993
- Other opportunities

### "3 E" Benefits

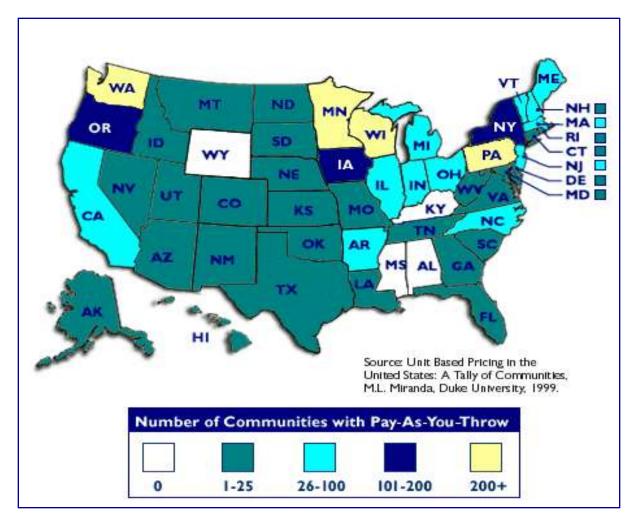


#### **Equity**

- Fair & transparent like a utility
- Singles, small families, or conscientious recyclers do not help to subsidize lower rates for those generating more waste
- In many cases, changes from open, free-market system needed to provide same level of service to all

### Successes—PAYT

### More than 7,100 PAYT cities in the U.S.



Tally data based on SERA: Skumatz Economic Research Associates, 2006

### **SMART in Kansas**

- o Dramatic Growth
  - 7 programs in 2006
  - Currently more than 50 (Skumatz Economic Research Associates)
- o Johnson County
  - Leawood population 30,000
- o Shawnee County / Topeka 42,000 homes
  - Min. service = 32 gal \$11.48 / \$12.52 (no extra items)
  - Full service = 90 gal \$15.26 / \$16.50 (also incl. one bulky items ea wk, 15 bags yard waste)
- o Paola population 5,385
  - 96 gal max, extra bags \$1.50

### **SMART in Kansas**

- o Butler County
  - Andover population 10,500
    - Max. 96 gal. + 1 small bag
  - El Dorado population 12,600
    - Max 64 gal., extra bags \$0.50
- Sedgwick County
  - Derby population 22,000
    - 65 gal \$39.27 / qtr.
    - 95 gal \$45.43 / qtr.
    - Also has RecycleBank



## Johnson County and SMART

### Johnson County, KS: Background

- o Aprx. 500,000 residents
- o 19 cities
- o Hundreds of Homes Associations

o 11 residential waste haulers (public and

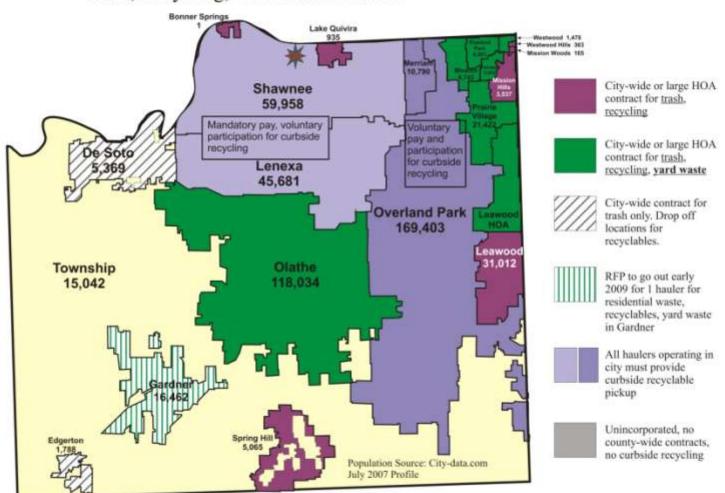
private)

Every combination of service you can imagine



### Johnson County cities, sizes & services

City-Wide or Large HOAs Contracts for Trash, Recycling, Yard Waste Services



Prepared: 11/20/08; rev 1/5/09

Johnson County Environmental Department

### Johnson County, KS Waste Stats

o Johnson County Landfill, owned by

Deffenbaugh Industries, Inc

 Receives 82% of waste generated in Johnson County



- City owned/operated Transfer Station in Olathe
  - Waste is transferred to Hamm Landfill outside of county
- o 22.6% diversion rate (national average 34%)
- o 4.73 lb/person/day (2005)

### Why PAYT?

- Goal: to have the same services offered to all residents in the county
  - Unlimited Recycling
  - Separate collection of yard waste
  - Pay-as-you-throw



- o Goal: reduce waste going to area landfills
- o Goal: keep costs low



### What's at risk for stakeholders?

- o Haulers, Cities, Homes Associations, Individual Residents, Waste Facilities
  - Increased Costs
  - Change to services
  - Increase in services
  - Convenience/ inconvenience
  - Cart sizes and bags



### **Timeline**

- o Started drafting Code in 2008
- o Meeting with Haulers and Facilities in 2009
- o Meeting with all the cities throughout 2009
- Endless presentations to HOAs and community groups
- o Draft Code to stakeholders in 2010
- o Revised Code
- o Public Hearing in 2010
- o Code passed in late 2010
- o PAYT is implemented no later than 2012

### Obstacles/challenges/lessons learned

- o Education, education, education
  - Newsletter, newspaper, website, radio, bill inserts, presentations, events, fliers, etc.
- o Open dialog with stakeholders
- Set realistic timeframes
- o Some concessions help reach the overall goal
  - 95 gal versus 65 gal
  - Recycling and waste shown as one line item

www.jocorecycles.org

### Obstacles and challenges with implementation at the city level

- o Freedom to choose cart sizes.
- o Freedom to choose haulers.
- o Consideration of Zones.

o Hopes to reduce the number of trucks on

the streets.



### **Our PAYT Language:**

- o All haulers licensed to collect residential waste must offer PAYT and unlimited recycling.
- o Maximum volume may not exceed 95 gal.
- o Charged based on volume of container, not volume of waste in container.
- Haulers must charge an additional fee for waste generated beyond the base volume that clearly incentivizes recycling.
- Must provide a readily identifiable system: stickers, bags, tags, etc.
- o Prices may vary.

### www.JoCoRecycles.org



### **Resources**

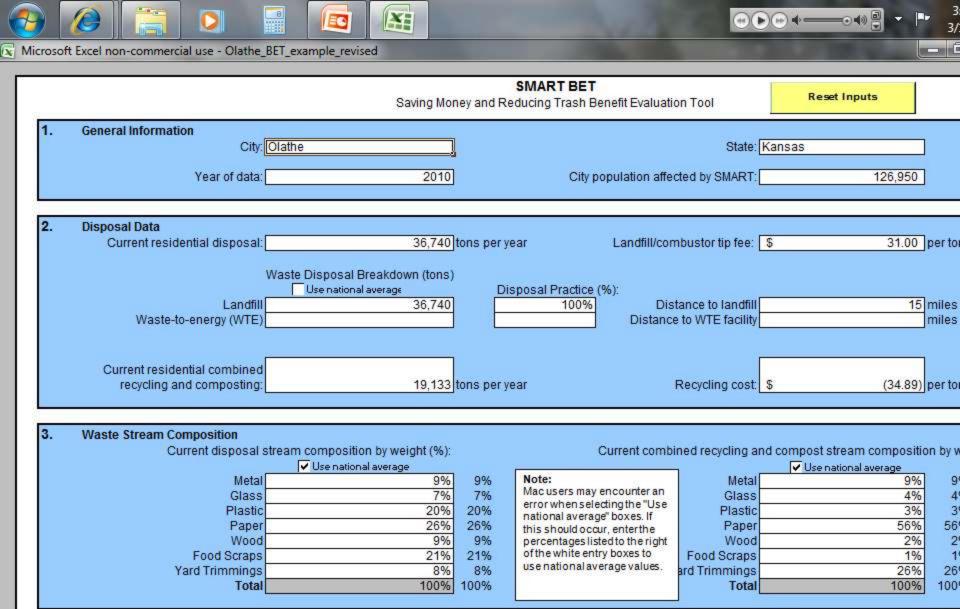
### **PAYT Web Site**

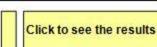
- Studies, reports, articles
- PAYT bulletins
- Tool kit
- Frequently Asked Questions
- Fact sheets, success stories, lessons learned
- Rate setting booklet
- SMART BET (calculator)

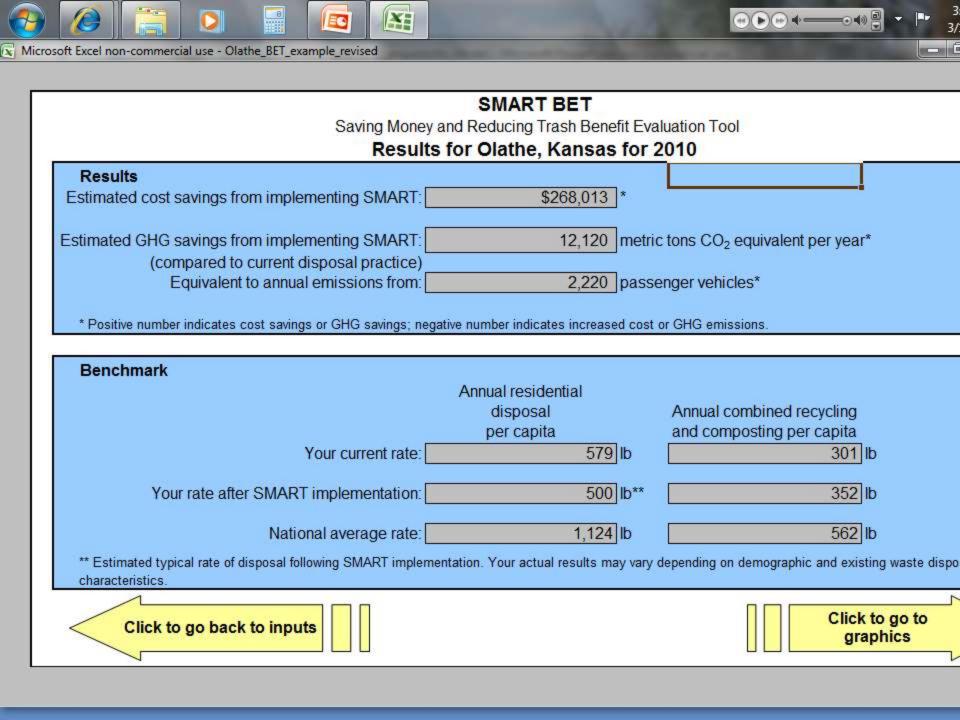
www.epa.gov/payt

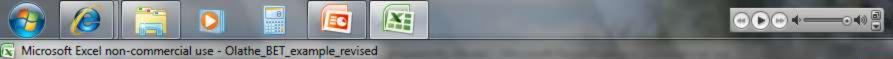
### **Benefit Evaluation Tool (BET)**

- o Excel-based software using WARM's GHG emission factors and assumptions
- o Quantitative Tool to promote PAYT
- o Tailored for each individual Community to assess the economic/environmental impacts
- o On PAYT webpage http://www.epa.gov/payt

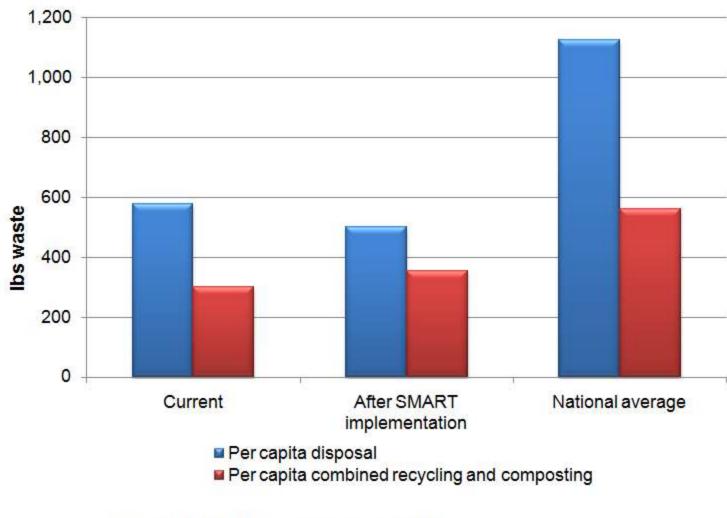




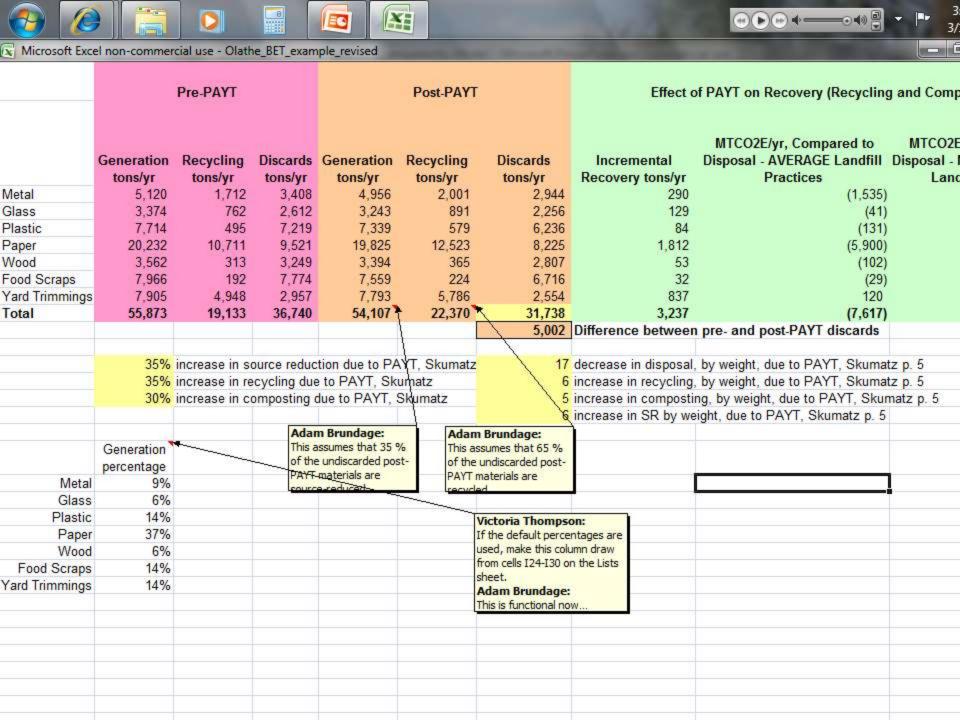




#### Per Capita PAYT Benchmarks for Olathe, Kansas in 2010



Costs for Olathe, Kansas in 2010





### **EPA WasteWise Program**

Recognizes and supports Partners who commit to reducing waste and report on their results

### **Benefits include:**

- Access to WasteWise Re-TRAC a web-based tracking and reporting tool.
- Recognition and networking opportunities.
- Technical assistance

www.epa.gov/wastewise





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